

VOLUME OF A SPHERE

SELF-CHECK PUZZLE

HOLLYWOOD ACTRESS AND INVENTOR



This famous Hollywood actress was a mathematician who invented a form of wireless communication in the 1940s. The dimensions of spheres are given below. Use $\pi = 3.14$ to work out the volumes of these spheres to reveal her name.

- | | | | |
|---|--------------|---|-----------------|
| A | Radius = 10 | Y | Diameter = 48 |
| M | Radius = 4.5 | L | Diameter = 23 |
| R | Radius = 3.8 | E | Diameter = 16 |
| H | Radius = 30 | A | Diameter = 27.3 |
| R | Radius = 42 | D | Diameter = 21 |

113040

2143.6

4846.6

57876.5

6367.4

10648

381.5

4186.7

310181.8

229.7

ANSWER
HEDY LAMARR